

REMARKS

The Official Action mailed May 21, 2002 has been received and its contents carefully noted. Filed concurrently herewith is a *Request for Two Month Extension of Time*, which extends the shortened statutory period for response to October 21, 2002. Accordingly, Applicant respectfully submits that this response is being timely filed.

Applicant notes with appreciation the consideration of the Information Disclosure Statements filed on April 12, 2001; May 16, 2001; November 2, 2001; and November 27, 2001. However, Applicant has not received acknowledgment of the Information Disclosure Statements filed on March 7, 2002; May 1, 2002; and May 20, 2002. Applicant respectfully requests the Examiner to provide an initialed copy of the Form PTO-1449 evidencing consideration of these Information Disclosure Statements. A further Information Disclosure Statement is submitted herewith and careful review and consideration of this Information Disclosure Statement is requested.

Paragraph 4 of the Official Action objects to the drawings under 37 CFR 1.83(a). The Applicant respectfully submits that the drawings, as filed, are in compliance with Rule 83(a). Specifically, the Figures illustrate a display device comprising thin film transistors and having a driver circuit formed on the same substrate. As discussed in the specification on page 22, last paragraph, and in the claims, the thin film transistors may be either N-TFTs or P-TFTs. It is submitted that it is difficult to illustrate the feature of the present invention that all of the TFTs of a driver circuit are n-channel or p-channel TFTs and that the illustration of the driver circuit in the present specification taken together with the written disclosure is sufficient to comply with 37 C.F.R. 1.83(a). Reconsideration of the objection is requested.

Paragraphs 5 and 6 of the Official Action object to the title and abstract. The Applicant believes that the Examiner has objected to the title and abstract due to the inclusion of method language, since the claims are directed only to the device. In response, the title and abstract have been amended to delete the method language. If the title and abstract require further amendment, the Applicant respectfully requests that the Examiner provide more specific details as to the nature of the objection.

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Claims 1-30 are pending in the present application, of which claims 1, 4, 7, 11, 15, 19, 22 and 26 are independent. For the reasons set forth in detail below, these claims are believed to be in condition for allowance.

Paragraph 7 of the Official Action rejects claims 1-30 under 35 U.S.C. 112, first paragraph alleging lack of possession of the claimed invention. Initially, with respect to claim 19, the Applicants have amended claim 19 to correct a minor typographical error. Specifically, in line 4, "n-channel" should be "p-channel." The amendment is merely clarifying in nature, and should not in any way affect the scope of protection afforded the claims for infringement purposes, particularly, under the Doctrine of Equivalents.

With respect to claims 1-18 and 20-30, the Applicant respectfully disagrees and directs the Examiner's attention to the last paragraph of page 22 where it is disclosed that the structure may be provided "with only N-TFTs or with only P-TFTs." In accordance with the specification, the claims of the present invention are directed to a display device having a driver circuit formed over the same substrate as thin film transistors for switching pixel electrodes. Further, all of the thin film transistors for switching pixel electrodes and all of the thin film transistors of the driver circuit are either n-channel or p-channel thin film transistors. The Applicant respectfully submits that the disclosure provided in the specification, particularly at page 22, shows that the applicant had possession of the present invention at the time the application was filed. Reconsideration is requested.

Paragraph 8 of the Official Action provisionally rejects claims 1-30 under the judicially created doctrine of obviousness-type double patenting over claims 1-12 of co-pending Application Number 09/229,677; over claims 1-55 of co-pending Application Number 09/448,463; and over claims 19-24 of co-pending application 09/448,756. Applicant respectfully request that this rejection be held in abeyance until allowable subject matter is indicated in the present application, at which time Applicant will address any remaining double patenting concerns.

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Should the Examiner believe that anything further would be desirable to place this application in better condition for allowance, the Examiner is invited to contact Applicant's undersigned attorney at the telephone number listed below.

Respectfully submitted,


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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Please amend the title as follows:

ELECTRO-OPTICAL DEVICE [AND METHOD FOR MANUFACTURING THE SAME]

Please amend the abstract as follows:

An electro-optical device [and a method for manufacturing the same are] is disclosed. The device comprises a pair of substrates and an electro-optical modulating layer (e.g. a liquid crystal [layer] layer) having sandwiched therebetween, said pair of substrates consisting of a first substrate having provided thereon a plurality of gate wires, a plurality of source (drain) wires, and a pixel matrix comprising thin film transistors, and a second substrate facing the first substrate, wherein, among the peripheral circuits having established on the first substrate and being connected to the matrix wiring for the X direction and the Y direction, only a part of said peripheral circuits is constructed from thin film semiconductor devices fabricated by the same process utilized for an active device, and the rest of the peripheral circuits [is] are constructed from semiconductor chips. The liquid crystal display device according to the present invention is characterized [by] in that the peripheral circuits are not wholly fabricated into thin film transistors, but only those portions having a simple device structure, or those composed of a small number of devices, or those comprising an IC not easily available commercially, or those comprising an expensive integrated circuit, are fabricated by thin film transistors. According to the present invention, an electro-optical device is provided at an increased production yield with a reduced production cost.

IN THE CLAIMS:

Please amend claim 19 as follows:

19. (Amended) A display device comprising:

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a substrate having an insulating surface;
a plurality of pixel electrodes formed over said substrate;
a plurality of first [n-channel] p-channel thin film transistors for switching
said pixel electrodes;
a driver circuit formed over said substrate for switching said first thin film
transistors, said driver circuit comprising a plurality of said second thin film transistors,
wherein all of said second thin film transistors are p-channel thin film
transistors.

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